AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-22 (cancelled)

Claim 23 (currently amended): A method for the generation of HLA-haploidentical antigen-presenting cells for the treatment of tumor diseases in a patient comprising the following steps:

- providing antigen-presenting cells from a donor which are HLA-haploidentical with respect to those of the patient;

- introducing proteins and/or peptides or RNA or DNA or cDNA encoding said proteins and/or peptides which are overexpressed in tumor cells or are derived from autologous tumor cells ~~are introduced~~ into the HLA-haploidentical antigen-presenting cells.

Claim 24 (previously presented): The method according to claim 23 wherein proteins and/or peptides or RNA or DNA or cDNA, respectively, encoding said proteins and/or peptides from several different tumor cell lines are introduced into the HLA-haploidentical antigen-presenting cells.

Claim 25 (previously presented): The method according to claim 23 characterized in that first RNA from tumor cells is reverse transcribed into cDNA, the cDNA is amplified by means of PCR and subsequently the cDNA is transcribed into RNA.

Claim 26 (previously presented): The method according to claim 23 wherein antigen-presenting cells of two different HLA-haploidentical individuals are used.

Claim 27 (currently amended): A pharmaceutical composition for the treatment of a tumor disease in a patient, comprising ~~The HLA-haploidentical~~ antigen-presenting cells into which

proteins and/or peptides or RNA or DNA or cDNA encoding said proteins and/or peptides which are overexpressed in tumor cells or are derived from autologous tumor cells have been introduced, wherein the antigen-presenting cells are HLA-haploidentical with respect to those of the patient ~~obtained by a method according to claim 23~~.

Claim 28 (currently amended): The pharmaceutical composition according to claim 27, wherein the HLA-haploidentical antigen-presenting cells are ~~according to claim 27~~ characterized in that said proteins and/or peptides or RNA or DNA or cDNA encoding said proteins and/or peptides which are overexpressed in tumor cells or are derived from autologous tumor cells are selected from the following tumor cells: carcinomas, ~~preferably ovarian, mammary and renal cell carcinomas,~~ tumor cells of the hematopoietic system, ~~preferably cells of leukemias and lymphomas,~~ cells of mesenchymal tumors, ~~preferably sarcomas,~~ cells of epithelial tumors, cells of ectodermal tumors, ~~preferably melanomas,~~ and cells of embryonic tumors from undifferentiated tissue, ~~preferably blastomas and teratomas~~.

Claim 29 (currently amended): The pharmaceutical composition according to claim 27, wherein the HLA-haploidentical antigen-presenting cells contain ~~according to claim 27 containing~~ proteins and/or peptides or RNA[[-RNA]] or DNA or cDNA encoding said proteins and/or peptides from several different tumor cell lines.

Claim 30 (currently amended): The pharmaceutical composition according to claim 27, wherein the HLA-haploidentical antigen-presenting cells are ~~according to claim 27~~ characterized in that said antigen-presenting cells are dendritic cells or macrophages.

Claim 31 (cancelled)

Claim 32 (currently amended): A composition according to claim 27 [[31]] characterized in that it is a vaccine.

Claim 33 (currently amended): A method of treatment of tumor diseases in a patient comprising administering to said patient a therapeutically effective amount of ~~the~~ HLA-

haploidentical antigen-presenting cells into which proteins and/or peptides or RNA or DNA or cDNA encoding said proteins and/or peptides which are overexpressed in tumor cells or are derived from autologous tumor cells have been introduced ~~according to claim 27 to said patient~~.

Claim 34 (currently amended): The method according to claim 33 characterized in that said HLA-haploidentical antigen-presenting cells are used for the treatment of tumors comprising: carcinomas, ~~preferably ovarian, mammary and renal cell carcinomas,~~ tumors of the hematopoietic system, ~~preferably leukemias and lymphomas,~~ mesenchymal tumors, ~~preferably sarcomas,~~ epithelial tumors, ectodermal tumors, ~~preferably melanomas,~~ and embryonic tumors from undifferentiated tissue~~, preferably blastomas and teratomas~~.

Claim 35 (previously presented): The method according to claim 33 characterized in that HLA-haploidentical antigen-presenting cells of two different HLA-haploidentical individuals are used.

Claim 36 (previously presented): The method according to claim 35 characterized in that RNA is employed which has been reverse transcribed from autologous tumor cells into cDNA, the cDNA has been amplified by means of PCR and subsequently the cDNA has been transcribed into RNA.

Claim 37 (previously presented): The method according to claim 23 characterized in that said HLA-haploidentical antigen-presenting cells are applied by the intravenous, subcutaneous or intramuscular route.

Claim 38 (previously presented): The method of claim 23, wherein, into the HLA-haploidentical antigen-presenting cells, proteins and/or peptides or RNA or DNA or cDNA, respectively, encoding said proteins and/or peptides overexpressed in tumor cells or are derived from autologous tumor cells have been introduced in recombinant form.

Claim 39 (currently amended): The method according to claim 23 characterized in that RNA or DNA or cDNA is introduced into the HLA-haploidentical antigen-presenting cells which encodes tumor-defined antigens, wherein the tumor-defined antigens are antigens overexpressed in the tumor cells ~~and are preferably selected from oncogenes, preferably HER2/neu, proteins providing a growth~~

~~advantage to the tumor and/or ensuring its survival, preferably PSMA, cell cycle regulatory proteins, transcription factors, preferably WT-1, mucins, preferably MUC-1, proteins involved in the regulation of cell division, preferably telomerase~~.

Claim 40 (previously presented): The method according to claim 23 characterized in that said antigen-presenting cells are dendritic cells or macrophages.

Claim 41 (currently amended): The method of claim 23, wherein, into the HLA-haploidentical ~~HLAhaploidentical~~ antigen-presenting cells, proteins and/or peptides or RNA or DNA or cDNA encoding said proteins [[.]] and/or peptides from several different tumor cell lines have been introduced for the treatment of tumor diseases in said patient.

Claim 42 (previously presented): The method according to claim 41 wherein pooled cRNA from two or three different tumor cell lines is introduced.

Claim 43 (new): The pharmaceutical composition according to claim 28, wherein the carcinomas are selected from the group consisting of ovarian, mammary and renal cell carcinomas, the tumor cells of the hematopoietic system are selected from the group consisting of leukemias and lymphomas, the mesenchymal tumors are sarcomas, the ectodermal tumors are melanomas, and/or the cells of embryonic tumors from undifferentiated tissue are selected from the group consisting of blastomas and teratomas.

Claim 44 (new): The method according to claim 34, wherein the carcinomas are selected from the group consisting of ovarian, mammary and renal cell carcinomas, the tumor cells of the hematopoietic system are selected from the group consisting of leukemias and lymphomas, the mesenchymal tumors are sarcomas, the ectodermal tumors are melanomas, and/or the cells of embryonic tumors from undifferentiated tissue are selected from the group consisting of blastomas and teratomas.

Claim 45 (new): The method according to claim 39, wherein the tumor-defined antigens are selected from the group consisting of oncogenes, proteins providing a growth advantage to the

tumor and/or ensuring its survival, cell cycle regulatory proteins, transcription factors, mucins, and proteins involved in the regulation of cell division.

Claim 46 (new): The method according to claim 45, wherein the tumor antigens are HER2/neu, PSMA, WT-1, MUC-1, or telomerase.